

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>05235.0003.0</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP2004/011833</b>	International filing date (day/month/year) <b>18/10/2004</b>	(Earliest) Priority Date (day/month/year) <b>17/10/2003</b>
Applicant <b>OXYCELL HOLDING BV</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

BEST AVAILABLE COPY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:				
HOWREY SIMON ARNOLD & WHITE Attn. Clarkson, Paul CityPoint One Ropemaker Street London EC2Y 9HS UNITED KINGDOM		NA	JB	MB
		25 MAR 2005		
		PC	WVD	DO
Form.		Date of mailing (day/month/year)		

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT AND  
THE WRITTEN OPINION OF THE INTERNATIONAL  
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

26/04/2005

Applicant's or agent's file reference  05235.0003.00PCT00	FOR FURTHER ACTION	See paragraphs 1 and 4 below
International application No.  PCT/EP2004/011833	International filing date (day/month/year)	18/10/2004
Applicant  OXYCELL HOLDING BV		

1.  The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO, 34 chemin des Colombettes  
1211 Geneva 20, Switzerland, Fascimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2.  The applicant is hereby notified that no International search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3.  With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

- the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
- no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Yannick Gouby
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------

B75.1 AVAILABLE COPY

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F24F5/00 F28D5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F24F F28D F28F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 91 07 782 U1 (CHEMATEC AG, MOEHLIN, CH) 19 September 1991 (1991-09-19)	1-3, 5, 7-10, 12, 18, 21, 22
Y		11, 13, 14, 19, 20, 23-25
A	the whole document	4, 26
Y	PATENT ABSTRACTS OF JAPAN vol. 012, no. 131 (M-688), 22 April 1988 (1988-04-22) -& JP 62 252890 A (HITACHI LTD), 4 November 1987 (1987-11-04) the whole document	11, 23-25
X	EP 0 661 502 A (JAPAN GORE-TEX, INC) 5 July 1995 (1995-07-05)	1, 21
Y	the whole document	13, 14
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- \*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

19 April 2005

26/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

De Graaf, J.D.

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 338 258 B1 (LEE DAE YOUNG ET AL) 15 January 2002 (2002-01-15) figure 8 -----	19,20
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 09, 3 September 2003 (2003-09-03) -& JP 2003 148894 A (SHIMIZU CORP), 21 May 2003 (2003-05-21) the whole document -----	1-3,5,6, 21
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) -& JP 08 219504 A (JAPAN GORE TEX INC), 30 August 1996 (1996-08-30) the whole document -----	1,8-10, 12,21
P,X	WO 2004/065857 A (OXYCELL HOLDING BV; REINDERS, JOHANNES, ANTONIUS, MARIA) 5 August 2004 (2004-08-05) the whole document -----	1-26
E	WO 2005/019739 A (OXYCELL HOLDING BV; REINDERS, JOHANNES, ANTONIUS, MARIA) 3 March 2005 (2005-03-03) the whole document -----	1-26
P,X	WO 2004/040219 A (OXYCELL HOLDING B.V; REINDERS, JOHANNES, ANTONIUS, MARIA) 13 May 2004 (2004-05-13) the whole document -----	1,21
X	DE 43 21 743 A1 (FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG EV, 8) 17 March 1994 (1994-03-17) column 4, line 31 - line 33; figure 2 -----	1,21
X	FR 2 322 644 A (CIAT) 1 April 1977 (1977-04-01) page 1, line 39 - page 2, line 3; figures 1,2 -----	1,21
X	WO 03/064153 A (JENTEX CORPORATION; PELHAM, MATTHEW, C.,SR; FLYNN, NIGEL, J) 7 August 2003 (2003-08-07) the whole document -----	1
A	BE 1 013 160 A6 (OFFRINGA DIRK DOOITZE; DUTCH TRADING CENTER TIEL B.V) 2 October 2001 (2001-10-02) figures 1,2,9 -----	20
7 A	US 5 187 946 A (ROTHENBERG ET AL) 23 February 1993 (1993-02-23) -----	
2		-/-

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/033821 A1 (MAISOTSENKO VALERIY ET AL) 20 February 2003 (2003-02-20) -----	

BEST AVAILABLE COPY

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 9107782	U1	19-09-1991	NONE		
JP 62252890	A	04-11-1987	NONE		
EP 0661502	A	05-07-1995	JP EP	7133994 A 0661502 A2	23-05-1995 05-07-1995
US 6338258	B1	15-01-2002	KR CN	2002061735 A 1366168 A ,C	25-07-2002 28-08-2002
JP 2003148894	A	21-05-2003	NONE		
JP 08219504	A	30-08-1996	NONE		
WO 2004065857	A	05-08-2004	NL WO	1023471 C2 2004065857 A1	26-07-2004 05-08-2004
WO 2005019739	A	03-03-2005	WO	2005019739 A1	03-03-2005
WO 2004040219	A	13-05-2004	NL NL AU AU WO WO NL	1021794 C1 1022794 C2 2003274830 A1 2003285311 A1 2004040219 A1 2004040220 A1 1022794 A1	06-05-2004 06-09-2004 25-05-2004 25-05-2004 13-05-2004 13-05-2004 06-05-2004
DE 4321743	A1	17-03-1994	WO	9400724 A1	06-01-1994
FR 2322644	A	01-04-1977	FR	2322644 A1	01-04-1977
WO 03064153	A	07-08-2003	EP WO US	1478510 A1 03064153 A1 2003148691 A1	24-11-2004 07-08-2003 07-08-2003
BE 1013160	A6	02-10-2001	NONE		
US 5187946	A	23-02-1993	NONE		
US 2003033821	A1	20-02-2003	WO	03016808 A2	27-02-2003